

DATA TABLES

PV Tile Dimensions

| PV Tile Type / Name | Mini Stonewold | Grovebury | Double Roman | Cambrian | DuoPlain | |
|--|--|-----------------------------------|---------------------------------------|----------------|-------------|------------------------|
| Compatible Redland slate / tile | Mini Stonewold MockBond Mini Stonewold | Grovebury Landmark Double Pantile | 50 Double Roman Landmark Double Roman | Cambrian Slate | DuoPlain | |
| Gross width | 1,940 | 1,827 | 1,827 | 1,985 | 1,973 | mm |
| Gross length | 469 | 472 | 473 | 362 | 301 | mm |
| Profile depth | 30 | 47 | 33 | 10 | 22 | mm |
| Exposed length | 343 | 343 | 343 | 250 | 188 | mm |
| Covering width | 1,911 (6.5) | 1,800 (6) | 1,800 (6) | 1,950 (6.5) | 1,950 (6.5) | mm (slate/tile) |
| Hanging length | 397 | 394 | 397 | 294 | 245 | mm |
| Minimum roof pitch | 22.5 | 20 | 20 | 25 | 25 | degrees |
| Maximum roof pitch | 69 | 69 | 69 | 69 | 69 | degrees |
| Fixed batten gauge (tolerance: +0mm / -5mm)* | 343 | 343 | 343 | 250 | 188 | mm |
| Covering capacity | 1.53 | 1.62 | 1.62 | 2.05 | 2.73 | PV tile/m ² |
| Covering capacity (one PV tile) | 0.655 | 0.617 | 0.617 | 0.488 | 0.367 | m ² |
| PV Tile weight | 11 | 11.5 | 11.5 | 8 | 8 | kg |
| Weight | 16.78 | 18.63 | 18.63 | 16.41 | 21.82 | kg/m ² |
| Tiling batten size | 50 x 25 | 50 x 25 | 50 x 25 | 50 x 25 | 50 x 25 | mm |

* Cambrian Slate PV Tile tolerance: +0mm / -20 mm

Electrical Specification

| PV Tile Type / Name | Mini Stonewold | Grovebury | Double Roman | Cambrian | DuoPlain | |
|--|--|--|--|--|--|-------------------|
| Compatible Redland slate / tile | Mini Stonewold MockBond Mini Stonewold | Grovebury Landmark Double Pantile | 50 Double Roman Landmark Double Roman | Cambrian Slate | DuoPlain | |
| Photovoltaic cell technology | Mono-crystalline | Mono-crystalline | Mono-crystalline | Mono-crystalline | Mono-crystalline | |
| Cell dimensions | 156 x 156 | 156 x 156 | 156 x 156 | 156 x 156 | 156 x 156 | mm |
| Power [†] | 90 | 90 | 90 | 44 | 44 | Wp |
| Wp/m ² † | 137 | 146 | 146 | 90 | 120 | Wp/m ² |
| Laminate size (active area) | 1,778 x 355 | 1,778 x 355 | 1,778 x 355 | 1,778 x 220 | 1,778 x 220 | mm |
| Number of cells | 22 | 22 | 22 | 11 | 11 | |
| Cell efficiency | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | % |
| Module efficiency | 14.00 | 15.00 | 15.00 | 11.00 | 13.00 | % |
| Maximum power voltage [†] | 11.33 | 11.33 | 11.33 | 5.67 | 5.67 | V |
| Maximum power current [†] | 8.02 | 8.02 | 8.02 | 7.83 | 7.83 | A |
| Open circuit voltage ^{††} | 13.86 | 13.86 | 13.86 | 6.82 | 6.82 | V |
| Short circuit current ^{††} | 8.46 | 8.46 | 8.46 | 8.38 | 8.38 | A |
| Maximum system voltage | 750 | 750 | 750 | 750 | 750 | V DC |
| Temperature coefficient of the open-circuit voltage | -0.0485 | -0.0485 | -0.0485 | -0.0246 | -0.0246 | V/degree C |
| Temperature coefficient of the open-circuit voltage | -0.35 | -0.35 | -0.35 | -0.36 | -0.36 | %/degree C |
| Temperature coefficient of the short-circuit current | 0.00254 | 0.00254 | 0.00254 | 0.00251 | 0.00251 | A/degree C |
| Temperature coefficient of the short-circuit current | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | %/degree C |
| Temperature coefficient of the power | -0.48 | -0.48 | -0.48 | -0.48 | -0.48 | %/degree C |
| Cables | Class II double insulated 4mm ² cable | Class II double insulated 4mm ² cable | Class II double insulated 4mm ² cable | Class II double insulated 4mm ² cable | Class II double insulated 4mm ² cable | |
| Connectors | MC3 IP65 | MC3 IP65 | MC3 IP65 | MC3 IP65 | MC3 IP65 | |

† Measured under Standard Test Conditions of 1,000 W/m² irradiance, AM 1.5 spectrum, 25°C cell temperature

†† Values of current, voltage and power +/- 10%